

Melissa QUINAN

Melissa is an American bachelor's student majoring in physics with a minor in mathematics at Penn State University in the northeastern United States.

This summer she has been working with the ATLAS MicroMegas (MM) group conducting a radiation aging test of prototype MM detectors for the New Small Wheel upgrade to the ATLAS Muon Spectrometer. Primarily, she has been focused on data collection and stability analyses of two prototype MM chambers after irradiation in the GIF++ facility in Prévessin. She has been monitoring factors such as current stability, voltage, gain, and spark rate over time to characterize the behavior of the chambers.

Upon returning to the US, Melissa hopes to complete her bachelor's thesis on her work with the PINGU upgrade to the IceCube Neutrino Observatory group at Penn State before going on to pursue a Ph.D. in experimental particle physics.